Index of Claims

Application/Control No.

10/812,830

Examiner

Michael Aboagye

Applicant(s)/Patent under Reexamination

BERGMANN ET AL.

Art Unit

1725

Rejected Allowed

(Through numeral) Cancelled

Restricted

Non-Elected N Interference

Appeal 0 Objected

|          |  |              |              |          |               |          |              | Į              |              |              | -  |  |
|----------|--|--------------|--------------|----------|---------------|----------|--------------|----------------|--------------|--------------|----|--|
|          | Det-   |              |              |          |               |          |              |                |              |              |    |  |
| Cla      | aim  | Date         |              |          |               |          |              |                |              |              |    |  |
|          | <u>7</u>                                       | اوا          |              |          |               |          |              |                |              |              |    |  |
| Final    | Ë  | 11/12/06     |              |          |               | -        |              |                |              |              |    |  |
| ίΞ       | <u>`</u> Ĕ                                     | 2            |              |          |               |          |              |                |              |              |    |  |
|          | 0  | -            |              |          |               |          |              |                |              |              |    |  |
|          | <b>M</b>                                       | V            |              |          |               |          |              |                |              |              |    |  |
|          | 2  | П            |              |          |               |          |              |                |              |              |    |  |
|          | 3  |              |              |          |               |          |              |                |              |              |    |  |
|          | 4  | Ш            |              |          |               |          |              |                |              |              | l  |  |
|          | 5  | П            |              |          |               |          |              |                |              |              | ١. |  |
|          | 6  | Ħ            |              | _        |               |          |              |                |              |              |    |  |
|          | 7  | Ħ            |              | _        |               |          |              |                |              |              |    |  |
|          | 8  | т            |              |          |               |          |              |                |              |              |    |  |
|          | (9)  | H            |              |          | $\overline{}$ |          |              |                |              |              |    |  |
|          | 10   | Н            | $\vdash$     |          |               | _        |              |                |              |              |    |  |
|          | 11   | Н            |              |          |               |          | П            |                |              |              |    |  |
|          | 12   | Į)           |              |          | _             | П        | М            | Н              |              |              |    |  |
|          | 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 |              |              |          | $\vdash$      | Н        | М            | $\Box$         |              |              |    |  |
| 1        | 14   | Н            |              | $\vdash$ | $\vdash$      | Н        | Н            | -              |              | _            |    |  |
| $\vdash$ | 15   | H            | =            | -        | H             | Н        | Н            | _              | -            | $\vdash$     | ĺ  |  |
| $\vdash$ | 16   | H            | $\vdash$     |          |               | Н        | Н            |                | _            | $\vdash$     | l  |  |
| <b>—</b> | 17   | $\vdash$     | $\vdash$     | $\vdash$ | H             | Н        | Н            |                |              |              |    |  |
| _        | 18   | -            | -            | _        | H             | $\vdash$ | Н            |                |              | _            |    |  |
| <b>—</b> | 10   | -            |              | -        | -             |          |              |                |              | _            |    |  |
| -        | 20   | -            | Н            | -        |               | _        | H            | _              | -            |              |    |  |
| $\vdash$ | 21   | -            | $\vdash$     | _        | -             | -        | H            |                |              | _            |    |  |
| $\vdash$ | 22   | ⊢            | Н            | _        | -             | _        | _            |                | _            | -            |    |  |
|          | 22<br>23                                       | ⊢            |              | _        | -             | _        | $\vdash$     | -              | _            | -            |    |  |
| -        | 24   | $\vdash$     | -            | _        | ⊢             | Н        | $\vdash$     |                |              | -            |    |  |
| <u> </u> | 25   | $\vdash$     |              |          | -             | H        | $\vdash$     | -              |              | —            | l  |  |
| $\vdash$ | 25<br>26<br>27<br>28<br>29                     | ┢            |              | _        | -             | -        | H            |                |              |              | l  |  |
|          | 27   | ╁            | $\vdash$     |          | ⊢             | -        |              |                |              | -            |    |  |
| _        | 20   | ⊢            |              |          | ┝             | $\vdash$ | Н            | _              | $\vdash$     | _            | 1  |  |
|          | 20   | ├-           | $\vdash$     | _        | <u> </u>      | ┢        | -            | _              | Η.           | _            | ł  |  |
| -        | 20   | ├            | -            |          | ⊢             | ┝        | $\vdash$     |                | -            | _            |    |  |
|          | 30<br>31                                       | ├            | _            | _        | ┝             | H        | $\vdash$     |                | _            | _            | ł  |  |
| -        | 32   | +-           | Н            | -        | ├-            | $\vdash$ | $\vdash$     | $\vdash$       | _            | $\vdash$     | 1  |  |
|          | 32   | -            |              | Ь        | -             | $\vdash$ | ├-           | Н              | $\vdash$     | <del> </del> | ł  |  |
|          | 33<br>34                                       | $\vdash$     | $\vdash$     |          | ├-            | -        | -            | H              | -            | Ι            | l  |  |
| <u> </u> | 35   |              | $\vdash$     | -        | $\vdash$      | $\vdash$ | $\vdash$     | <del> </del>   | ├─           | $\vdash$     | ł  |  |
|          | 35   | -            | $\vdash$     | <u> </u> | ⊢             | H        |              | <u> </u>       | <del> </del> | ├-           | l  |  |
| -        | 36<br>37                                       | -            |              | -        | $\vdash$      | -        | -            | $\vdash$       | $\vdash$     | H            |    |  |
| -        | 3/   | $\vdash$     | H            | ļ.,      | ⊢             | $\vdash$ |              |                | $\vdash$     | $\vdash$     | ł  |  |
| $\vdash$ | 38<br>39                                       | ⊢            | <del> </del> | <u> </u> | $\vdash$      | ⊢        | H            | ├—             | $\vdash$     | $\vdash$     | 1  |  |
| <u> </u> |  | $\vdash$     | $\vdash$     | $\vdash$ | <del> </del>  | $\vdash$ | $\vdash$     | <del> </del> — | $\vdash$     | <del> </del> | ł  |  |
| <u> </u> | 40   | $\vdash$     | -            | $\vdash$ | <del> </del>  | $\vdash$ | ⊢            | <u> </u>       | $\vdash$     | $\vdash$     | 1  |  |
| <u> </u> | 41   | $\vdash$     | <u> </u>     | ├-       | <del> </del>  | ⊢        | ⊢-           | $\vdash$       | <u> </u>     | $\vdash$     | 1  |  |
| -        | 42   | -            | <u> </u>     | <u> </u> | -             | -        | <del> </del> | <u> </u>       | ├            | ├-           | 1  |  |
| -        | 43   | $\vdash$     | $\vdash$     | $\vdash$ | ⊢-            |          | Ь.           | $\vdash$       | $\vdash$     | ├            | 1  |  |
|          | 44   | ₩            | <u> </u>     | _        | <u> </u>      | <u> </u> | <u> </u>     | <u> </u>       | ⊢            | <u> </u>     | 1  |  |
| <u> </u> | 45   | <del> </del> | <u> </u>     | <u> </u> | <u> </u>      | <u> </u> | <del> </del> | <u> </u>       | ⊢            | <u> </u>     | 1  |  |
| <u></u>  | 46   | <del> </del> | <u> </u>     | <u> </u> | <u> </u>      | L        | Ŀ            | <u> </u>       | <u> </u>     | <u> </u>     | 1  |  |
|          | 47   |              | <b>└</b>     | <u> </u> | <u> </u>      | <u> </u> | <u> </u>     | $\vdash$       | ļ            | <u> </u>     | 1  |  |
|          | 48   | <u> </u>     | <u> </u>     | <u> </u> |               | igspace  | <u> </u>     | <u> </u>       | <u> </u>     | <u> </u>     | 1  |  |
|          | 49   | 1_           | <u> </u>     | <u> </u> | L_            |          | <u>L</u>     | <u> </u>       | <u> </u>     | 匚            | 1  |  |
|          | 50   |              |              | L        |               |          | L            |                |              | L            |    |  |

| Claim |  | Date               |                   |              |                   |            |              |                  |  |              |  |  |
|-------|--|--------------------|-------------------|--------------|-------------------|------------|--------------|------------------|--|--------------|--|--|
|       |  |                    |                   |              |                   |            |              |                  |  |              |  |  |
| a     | ina<br>ina   |                    |                   |              |                   |            |              |                  |  |              |  |  |
| Final | Original   |                    |                   |              |                   |            |              |                  |  |              |  |  |
|       | 0  |                    |                   |              |                   |            |              |                  |  |              |  |  |
|       | 51   |                    |                   | П            |                   |            |              |                  |  |              |  |  |
|       | 52   |                    |                   |              |                   |            |              |                  | _  |              |  |  |
|       | 52<br>53   |                    |                   |              |                   |            |              |                  |  |              |  |  |
|       | 54   |                    |                   |              |                   |            |              |                  |  |              |  |  |
|       | 55   |                    |                   |              |                   |            |              |                  |  |              |  |  |
|       | 56   |                    |                   |              |                   |            |              |                  |  |              |  |  |
|       | 57   |                    |                   |              |                   |            |              |                  |  |              |  |  |
|       | 58   |                    |                   |              |                   |            |              |                  |  |              |  |  |
|       | 58<br>59   |                    |                   |              |                   |            |              |                  |  |              |  |  |
|       | 60   |                    |                   |              |                   |            |              |                  |  |              |  |  |
|       | 61   |                    |                   |              |                   |            |              |                  |  |              |  |  |
|       | 62   |                    |                   |              |                   |            |              |                  |  |              |  |  |
|       | 63   |                    |                   |              |                   |            |              |                  |  |              |  |  |
|       | 63<br>64<br>65                                     |                    |                   |              |                   |            |              |                  |  |              |  |  |
|       | 65   |                    |                   |              |                   |            |              |                  |  |              |  |  |
|       | 66<br>67   | Г                  |                   |              |                   | $\Box$     |              |                  |  |              |  |  |
|       | 67   |                    |                   |              |                   |            |              |                  |  |              |  |  |
|       | 68   |                    |                   |              |                   |            |              |                  |  | Г            |  |  |
|       | 69   |                    |                   |              |                   |            |              |                  |  |              |  |  |
|       | 70   |                    |                   | _            |                   |            |              |                  |  |              |  |  |
|       | 71   |                    |                   |              |                   |            |              |                  |  |              |  |  |
|       | 72   |                    |                   |              |                   |            |              |                  |  | Г            |  |  |
|       | 73   |                    |                   |              |                   |            |              |                  |  |              |  |  |
|       | 74   |                    |                   |              |                   |            |              |                  |  |              |  |  |
|       | 75   |                    |                   |              |                   |            |              |                  |  |              |  |  |
|       | 69<br>70<br>71<br>72<br>73<br>74<br>75<br>76<br>77 | Г                  |                   |              |                   |            |              |                  |  |              |  |  |
|       | 77   |                    |                   |              |                   |            |              |                  |  |              |  |  |
|       | 78   |                    |                   |              |                   |            |              |                  |  |              |  |  |
|       | 79   |                    |                   |              |                   |            |              |                  |  |              |  |  |
|       | 80   |                    |                   |              |                   |            |              |                  |  |              |  |  |
|       | 81   |                    |                   |              | •                 |            |              |                  |  |              |  |  |
|       | 82   |                    |                   |              |                   |            |              |                  | L.   |              |  |  |
|       | 82<br>83   |                    |                   |              |                   |            |              | Ľ                | ட  |              |  |  |
|       | 84   |                    | L                 |              |                   |            | _            | L.               |  | <u> </u>     |  |  |
|       | 85   | $\Box$             |                   | <u> </u>     |                   | L          |              |                  | L  |              |  |  |
|       | 86   |                    |                   |              | L.                | <u> </u>   |              | $oxed{oxed}$     |  | $oxed{oxed}$ |  |  |
|       | 87   | L                  | Ŀ                 | _            | $oxed{oxed}$      | L          | L.           | <u> </u>         |  | _            |  |  |
|       | 88   | _                  |                   |              |                   |            | <u> </u>     |                  |  | <u> </u>     |  |  |
|       | 89   | _                  |                   |              | L                 |            | _            |                  | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u> </u>     |  |  |
|       | 90   |                    | <u> </u>          | L            | <u> </u>          | _          | 1_           | <u> </u>         | L  | L_           |  |  |
| L     | 91   | _                  |                   | $oxed{oxed}$ | <u></u>           | Ц.         |              | _                | $\vdash$                                     | L            |  |  |
|       | 92   | _                  | <u> </u>          |              | <u> </u>          | _          |              | <u> </u>         | oxdot  | <u> </u>     |  |  |
|       | 93   | L_                 | $ldsymbol{f eta}$ | _            | $ldsymbol{f eta}$ | <u> </u>   | <u> </u>     | lacksquare       | _  | <u> </u>     |  |  |
|       | 94   | L_                 | L                 | _            | <u> </u>          | <u>L</u>   | L            |                  |  | <u> </u>     |  |  |
|       | 95   |                    |                   | _            | _                 |            | <u> </u>     | <u> </u>         | _  | _            |  |  |
|       | 96   |                    |                   |              | _                 | <u> </u>   | <u> </u>     |                  | <u> </u>                                     | L            |  |  |
|       | 97   | ┖                  | _                 | L            | lacksquare        | lacksquare | <u> </u>     | $ldsymbol{oxed}$ |  |              |  |  |
|       | 98   | $oxedsymbol{oxed}$ |                   |              | _                 |            | $oxed{\Box}$ |                  | _  | <u></u>      |  |  |
|       | 99   | Ĺ                  | L.                | _            |                   | L          | Щ.           | _                | _  |              |  |  |
|       | 100  |                    |                   | L            | L                 | L          | L            | L                |  |              |  |  |

| Claim       |  | Date     |                                     |                                     |          |   |          |  |              |          |  |  |
|-------------|--|----------|-------------------------------------|-------------------------------------|----------|---|----------|--|--------------|----------|--|--|
|             |  |          |                                     |                                     |          |   |          |  |              |          |  |  |
| a           | Original                               |          |                                     |                                     |          |   |          |  |              |          |  |  |
| Final       | īġ                                     |          |                                     |                                     |          |   |          |  |              |          |  |  |
|             | 0                                      |          |                                     |                                     |          |   |          |  |              |          |  |  |
| · ·         | 101                                    |          |                                     |                                     |          |   |          |  |              |          |  |  |
|             | 102                                    |          |                                     |                                     |          |   |          |  |              |          |  |  |
|             | 103                                    |          | Г                                   |                                     |          |   |          |  |              |          |  |  |
|             | 102<br>103<br>104                      |          | Г                                   |                                     |          |   |          |  |              |          |  |  |
|             | 105<br>106                             |          |                                     |                                     |          |   |          |  |              |          |  |  |
|             | 106                                    | П        | Г                                   |                                     |          |   |          |  |              |          |  |  |
|             | 107                                    |          |                                     |                                     |          |   |          |  |              |          |  |  |
|             | 108                                    |          |                                     |                                     |          |   |          |  |              |          |  |  |
|             | 109                                    |          |                                     |                                     |          | •   |          |  |              |          |  |  |
|             | 110                                    |          |                                     |                                     |          |   |          |  |              |          |  |  |
|             | 111                                    |          |                                     |                                     | L.       | Ш   | igsqcup  | $oxed{\Box}$                                 |              | Ш        |  |  |
|             | 112                                    |          |                                     | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u> </u> | $ldsymbol{ld}}}}}}}}}$ | <u> </u> | L  | $oxed{oxed}$ | Ш        |  |  |
|             | 113                                    |          | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | $ldsymbol{f eta}$                   | <u> </u> | <u> </u>  | Ļ.,      | Ш  |              | Ш        |  |  |
|             | 113<br>114<br>115                      | <u> </u> | <u> </u>                            | <u> </u>                            | L        | $oxed{oxed}$  | <u> </u> |  | Ŀ            | Ш        |  |  |
|             | 115                                    | <u> </u> | L                                   | <u> </u>                            | <u> </u> | L.  |          |  | <u> </u>     | Щ        |  |  |
| <u> </u>    | 116                                    | Щ.       |                                     | <u> </u>                            | Ь.       | <u> </u>  | <u> </u> | $ldsymbol{ldsymbol{eta}}$                    | <u> </u>     | Ш        |  |  |
| <u> </u>    | 117                                    | <u> </u> | <u> </u>                            | <u> </u>                            | L_       | <u> </u>  | <u> </u> | L  | <u> </u>     | Щ        |  |  |
|             | 118                                    | <u> </u> | _                                   | <u> </u>                            | <u>_</u> | <u> </u>  | <u> </u> | _  | _            | Щ        |  |  |
|             | 119                                    | <u> </u> | _                                   | <u>.</u>                            |          | ╙   | L        | <u> </u>                                     |              | $\vdash$ |  |  |
|             | 120                                    | _        | <u> </u>                            | L                                   |          | _   | <u> </u> | <u> </u>                                     | <u> </u>     | _        |  |  |
| <u> </u>    | 121                                    | <u> </u> | _                                   | _                                   | _        | <u> </u>  | <b>—</b> | _  | _            | Н        |  |  |
|             | 122                                    | <u> </u> | <del> </del>                        | ⊢                                   | <u> </u> | <u> </u>  |          |  | <u> </u>     | H        |  |  |
| <u> </u>    | 123                                    | ⊢        | -                                   |                                     | <u> </u> | <del> </del>  | -        | <u> </u>                                     | _            | ├        |  |  |
|             | 121<br>122<br>123<br>124<br>125<br>126 | ⊢        | -                                   | -                                   | -        | <u> </u>  | -        | -  | $\vdash$     | $\vdash$ |  |  |
|             | 125                                    |          | ┢                                   | $\vdash$                            | $\vdash$ | ┢   | ╁        | -  | ┝╌           | $\vdash$ |  |  |
| -           | 127                                    | -        | ┝                                   | $\vdash$                            | $\vdash$ | ┢   | ╁        | -  | <u> </u>     |          |  |  |
|             | 127<br>128                             |          | $\vdash$                            | $\vdash$                            | -        | $\vdash$  | ┢        |  | $\vdash$     |          |  |  |
| <u> </u>    | 129                                    |          |                                     | t                                   | Г        |   | $\vdash$ | $\vdash$                                     |              |          |  |  |
| _           | 129<br>130                             |          | Г                                   | T                                   | T        |   | T .      |  |              |          |  |  |
|             | 131                                    | ⇈        |                                     | T                                   |          |   | † · ·    | ┪  |              |          |  |  |
|             | 132                                    |          |                                     | Г                                   |          |   |          |  |              |          |  |  |
|             | 133                                    |          |                                     |                                     |          |   | П        |  |              |          |  |  |
|             | 134                                    |          |                                     |                                     |          |   |          |  |              |          |  |  |
|             | 135<br>136                             |          |                                     |                                     |          |   |          |  |              | L        |  |  |
|             | 136                                    |          |                                     |                                     |          | <u> </u>  |          | L_   | L            |          |  |  |
|             | 137                                    | L        | <u> </u>                            |                                     | L        | L   | <u> </u> | L  | L            | Ľ.       |  |  |
|             | 138<br>139                             | _        | <u> </u>                            | ┖                                   | ᆫ        | _   | <u> </u> | _  |              | L        |  |  |
| ļ           | 139                                    | <u> </u> | ļ                                   | _                                   | ∟        | <u> </u>  | <u> </u> | <u>.                                    </u> | _            | _        |  |  |
|             | 140                                    | <u> </u> | <u> </u>                            | <u> </u>                            | <u> </u> | <b> </b>  | ┡        | <u> </u>                                     | ├-           | ┞        |  |  |
|             | 141                                    | $\vdash$ | ┡                                   | ├                                   | ļ        | <u> </u>  | ├-       | -  | ŀ-           | <u> </u> |  |  |
|             | .142                                   | $\vdash$ | $\vdash$                            | ├                                   | ├        | -   | -        | $\vdash$                                     | -            | -        |  |  |
| <u> </u>    | 143                                    | ⊢        | $\vdash$                            | ┼                                   | ⊢        | ₩   | 1        | ⊢  | $\vdash$     | ┼─       |  |  |
|             | 144                                    | $\vdash$ | ⊢                                   | -                                   | $\vdash$ | $\vdash$  | $\vdash$ | $\vdash$                                     | $\vdash$     | ├-       |  |  |
| -           | 145                                    | $\vdash$ | $\vdash$                            | 1                                   | $\vdash$ | -   | ├-       | $\vdash$                                     | $\vdash$     | $\vdash$ |  |  |
| <del></del> | 146<br>147                             | ŀ        | $\vdash$                            | $\vdash$                            | +-       | $\vdash$  | ╁        | ├-   | $\vdash$     | $\vdash$ |  |  |
|             | 148                                    | -        | +                                   | +-                                  | ╁        | $\vdash$  | +        | ┼  | $\vdash$     | ╁        |  |  |
|             | 149                                    | +        | +                                   | $\vdash$                            | $\vdash$ | $\vdash$  | ╁        | $\vdash$                                     | $\vdash$     | $\vdash$ |  |  |
|             | 150                                    | H        | ╁╌                                  | +                                   | $\vdash$ | $\vdash$  | ╁        | $\vdash$                                     | $\vdash$     | $\vdash$ |  |  |
|             | 1.100                                  | 1        | 1                                   | 1                                   | 1        | Ь.  |          | Ц  | Ц.           | ١        |  |  |